UK NEQAS
Leucocyte Immunophenotyping

Sheffield Teaching Hospitals NHS
NHS Foundation Trust

Minimal Residual Disease Programme

Sample - 068

All Participant Report

Distribution - 151603

Participant ID - 42981

Date Issued - 26 October 2015

Closing Date - 13 November 2015

Machine Used - Facs Canto II

Trial Comments

This trial was issued to 119 participants

Sample Comments

The sample was manufactured by UK NEQAS using a B-ALL patient sample and a stabilised whole blood unit

Results and Performance

Percentage MRD Population	Your Results (%)	Robust Mean (%)	Robust SD (%)
	0.0800	0.1109	0.0264

Percentage MRD Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
	-1.17	Satisfactory	1	4	2

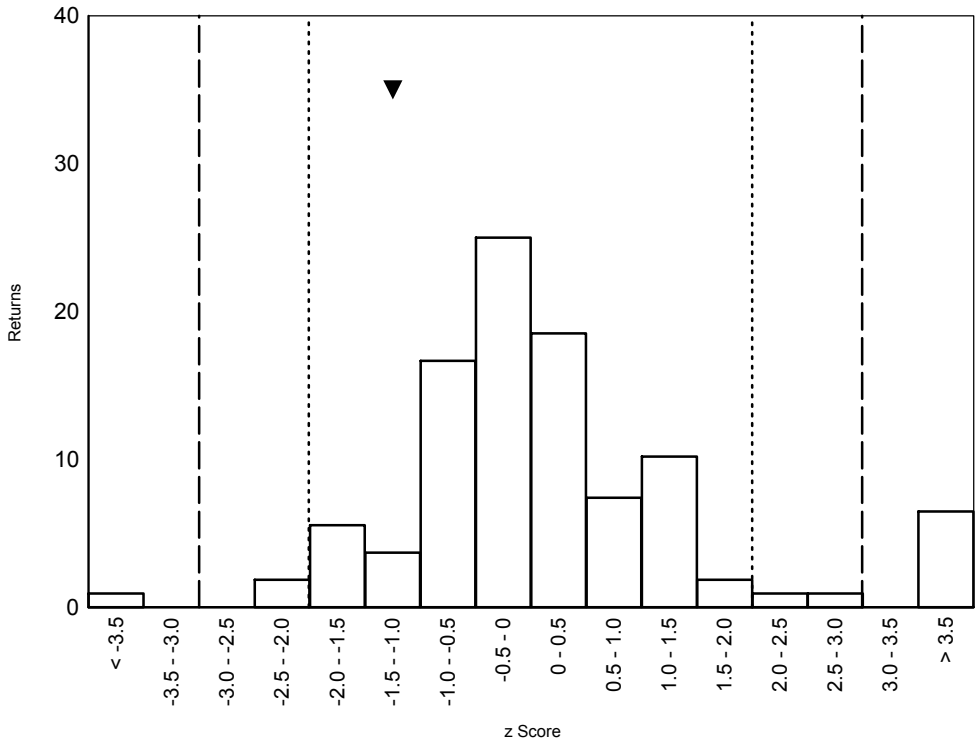
***z Score Limits Definitions**

Please note the scale below is applicable to the tables above and to the z score histograms and Shewhart control charts that follow. It is not applicable to the Cusum control charts.

Histograms of Participant z Scores

Percentage MRD Population -

Please note ▼ denotes your result



Sheffield Teaching Hospitals NHS Foundation Trust, a UKAS proficiency testing provider No. 7804, operating UK NEQAS for Leucocyte Immunophenotyping.

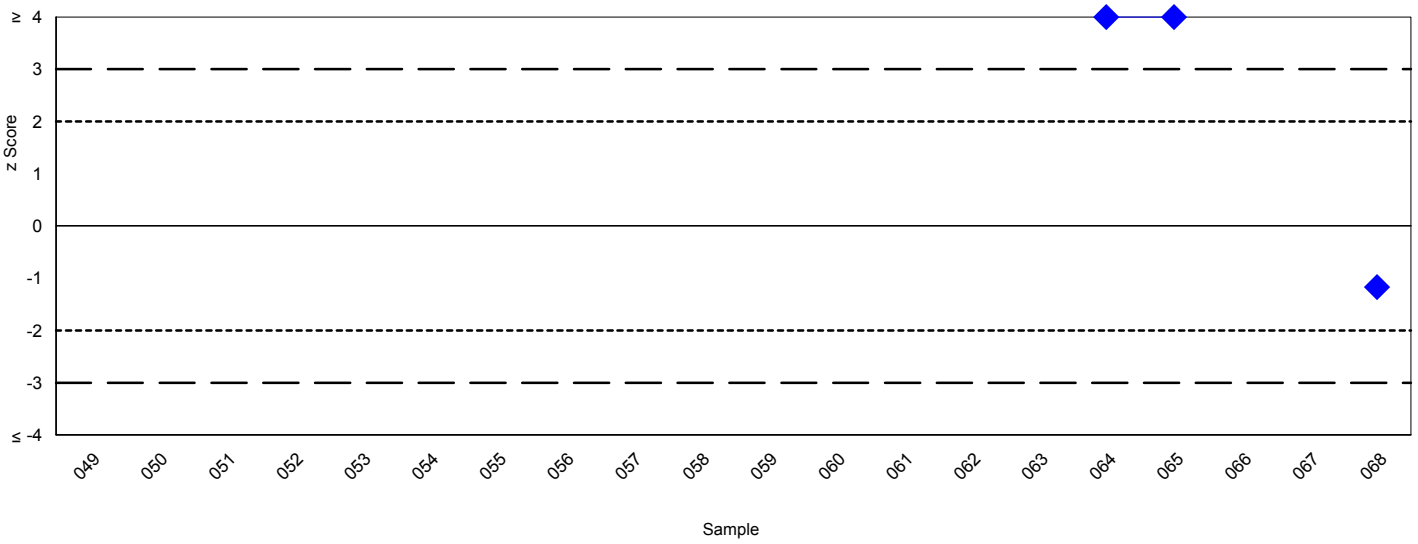
Minimal Residual Disease Programme

Sample - 068

Shewhart Control Charts

(Please note each data point represents a single sample)

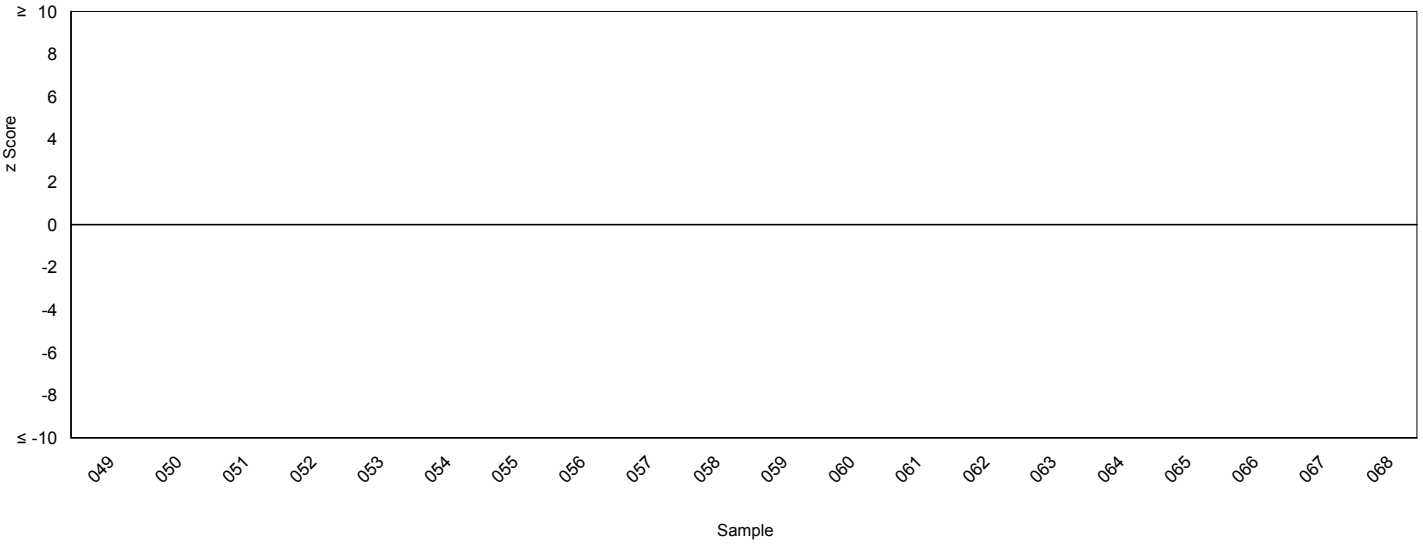
Values (Percentage MRD Population)



Cusum Control Charts

(Please note each data point represents the sum of the z scores of the current sample and the two previous samples)

Values (Percentage MRD Population)



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Flow Cytometer Specific Statistics

(Please note only groups of >20 returns are displayed)

Method	Count Values (%)		
	Returns	Robust Mean	Robust SD
Facs Canto II	62	0.1101	0.0192

MRD Group Specific Statistics

(Please note only groups of >20 returns are displayed)

Method	Count Values (%)		
	Returns	Robust Mean	Robust SD
IBFM	27	0.1191	0.0168
Non-Affiliated	46	0.1058	0.0282

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Trial Comments

This trial was issued to 119 participants

Sample Comments

The sample was manufactured by UK NEQAS using a B-ALL patient sample and a stabilised whole blood unit

Results and Performance

Percentage MRD Population	Your Results (%)	Robust Mean (%)	Robust SD (%)
	0.0600	0.0748	0.0183

Percentage MRD Population	z Score*	Performance Status for this Sample	Performance Status Classification Over 12 Sample Period		
			Satisfactory	Action	Critical
	-0.81	Satisfactory	2	4	2

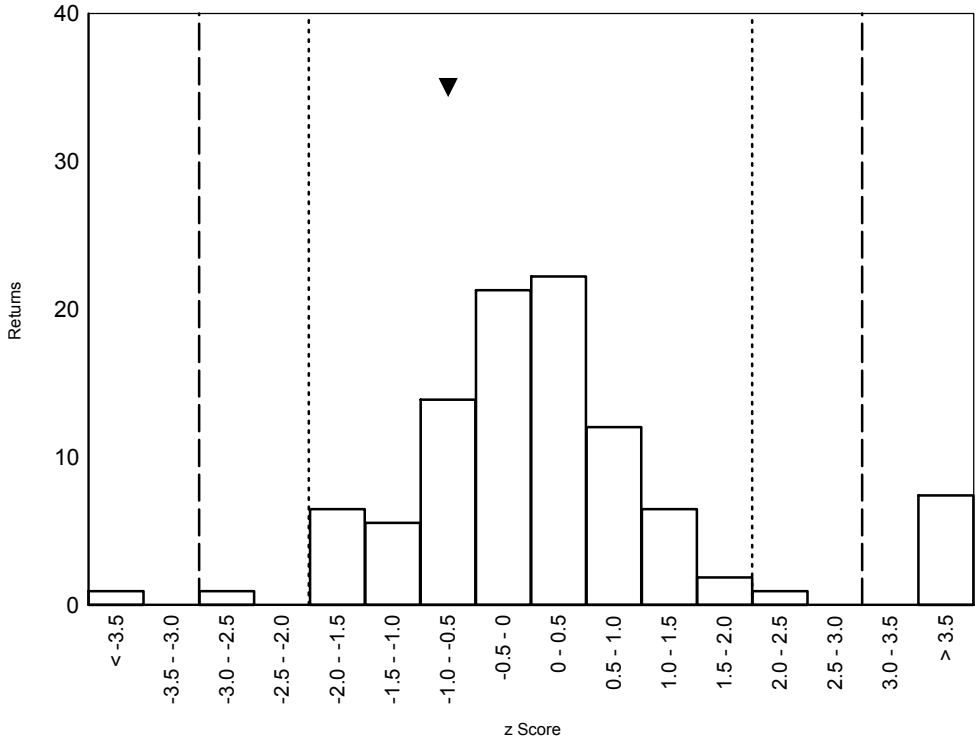
***z Score Limits Definitions**

Please note the scale below is applicable to the tables above and to the z score histograms and Shewhart control charts that follow. It is not applicable to the Cusum control charts.

Histograms of Participant z Scores

Percentage MRD Population -

Please note ▼ denotes your result



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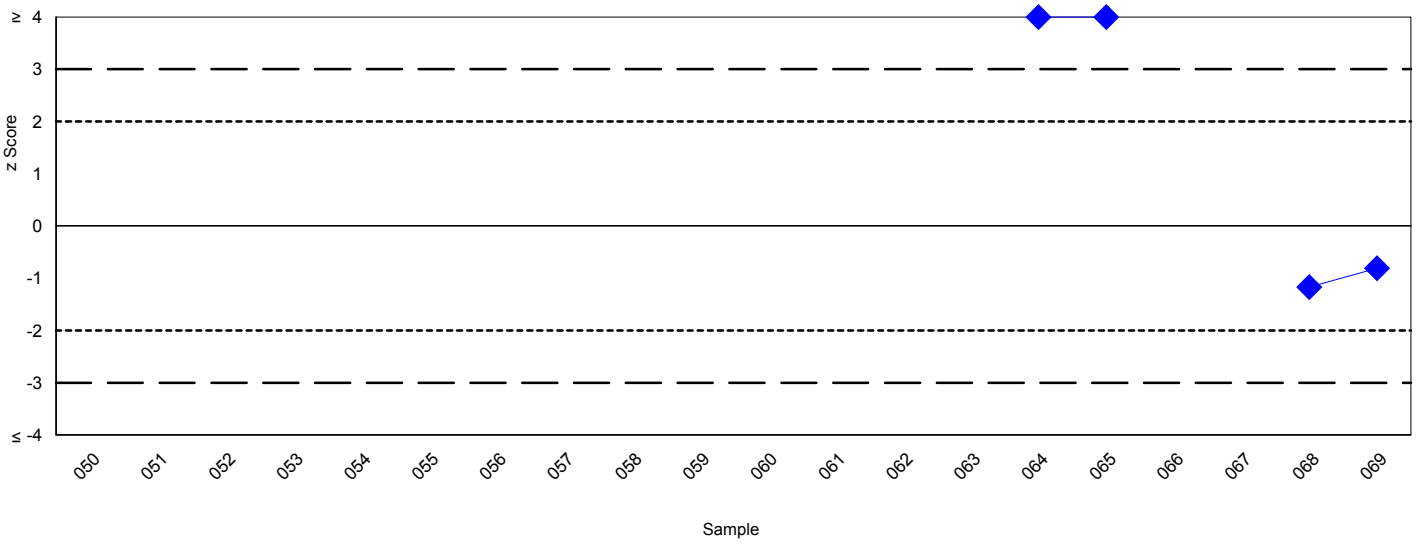
Shewhart Control Charts

(Please note each data point represents a single sample)

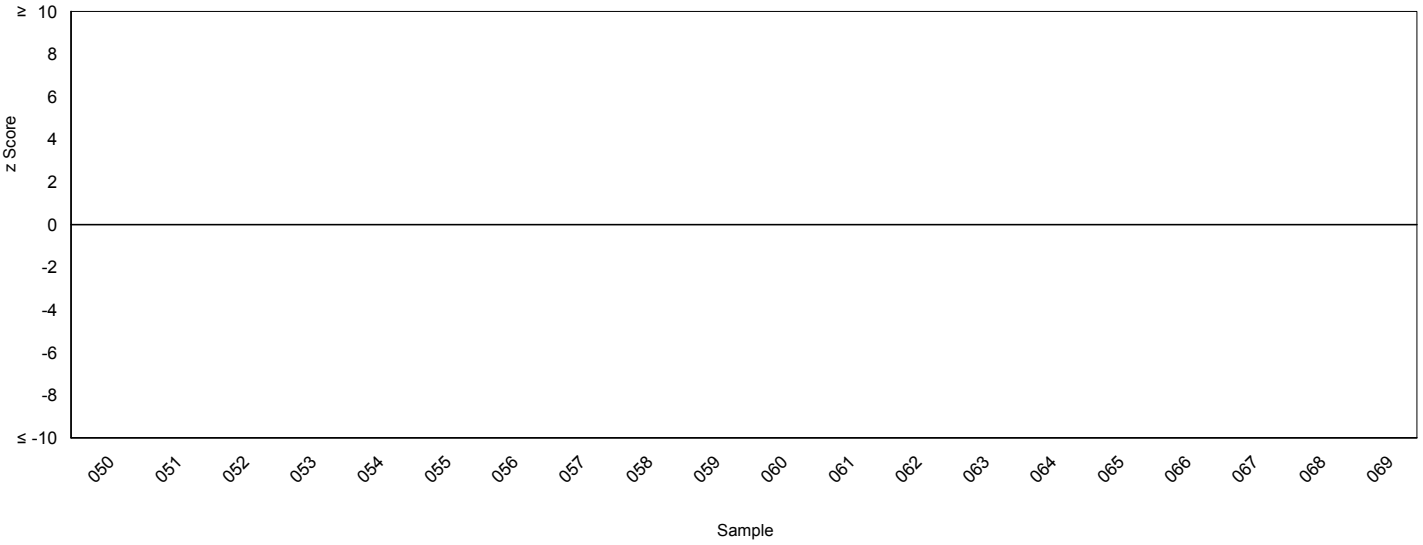
Values (Percentage MRD Population)



Cusum Control Charts

(Please note each data point represents the sum of the z scores of the current sample and the two previous samples)

Values (Percentage MRD Population)



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Flow Cytometer Specific Statistics

(Please note only groups of >20 returns are displayed)

Method	Count Values (%)		
	Returns	Robust Mean	Robust SD
Facs Canto II	64	0.0768	0.0157
Navios	20	0.0790	0.0321

MRD Group Specific Statistics

(Please note only groups of >20 returns are displayed)

Method	Count Values (%)		
	Returns	Robust Mean	Robust SD
IBFM	27	0.0818	0.0109
Non-Affiliated	46	0.0704	0.0167

Sheffield Teaching Hospitals NHS Foundation Trust, a UKAS proficiency testing provider No. 7804, operating UK NEQAS for Leucocyte Immunophenotyping.

Information with respect to compliance with standards BS EN ISO/IEC 17043:2010

4.8.2 a) The proficiency testing provider for this programme is:
UK NEQAS for Leucocyte Immunophenotyping
Pegasus House, 4th Floor Suite
463A Glossop Road
Sheffield, S10 2QD
United Kingdom
Tel: +44 (0) 114 267 3600, Fax: +44 (0) 114 267 3601
e-mail: nicola.rose@ukneqasli.co.uk

4.8.2 b) The coordinators of UK NEQAS LI programmes are Prof David Barnett and Mr Liam Whitby.

4.8.2 c) Person(s) authorizing this report:
Prof David Barnett, Director or Mr Liam Whitby, Operations Manager of UK NEQAS LI

4.8.2 d) No activities in relation to this EQA exercise were subcontracted.

4.8.2 g) The UK NEQAS LI Confidentiality Policy can be found in the Quality Manual which is available by contacting the UK NEQAS LI office. Participant details, their results and their performance data remain confidential unless revealed to the relevant NQAAP when a UK participant is identified as having performance issues.

4.8.2 i) All EQA samples are prepared in accordance with strict Standard Operational Procedures by trained personnel proven to ensure homogeneity and stability. Where appropriate/possible EQA samples are tested prior to issue. Where the sample(s) issued is stabilised blood or platelets, pre and post stability testing will have proved sample suitability prior to issue.

4.8.2 l), n), o), r) & s) Please refer to the UK NEQAS LI website at www.ukneqasli.co.uk for detailed information on each programme including the scoring systems applied to assess performance. Where a scoring system refers to the 'consensus result' this means the result reported by the majority of participants for that trial issue. Advice on the interpretation of statistical analyses and the criteria on which performance is measured is also given. Please note that where different methods/procedures are used by different groups of participants these may be displayed within your report, but the same scoring system is applied to all participants irrespective of method/procedure used.

4.8.2 m) We do not assign values against reference materials or calibrants.

4.8.2 q) Details of the programme designs as authorized by The Steering Committee and Specialist Advisory Group can be found on our website at www.ukneqasli.co.uk. The proposed trial issue schedule for each programme is also available.

4.8.2 t) If you would like to discuss the outcomes of this trial issue, please contact UK NEQAS LI using the contact details provided.

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